



CTA Climate Change Map User's Guide



2013

CREE GEOPORTAL

The entry point to all CTA applications is the Cree GeoPortal (www.creegeoportal.ca)

HOME
ABOUT
RESOURCES
CONTACT
LOGIN
username : nimsarchive
password : *****
Login
WELCOME

Compatibility Issues
The Interactive Maps will require Internet Explorer 8 or above to run. If you do not have IE please update your browser!

Internet Explorer 8
To print any of the maps within the Geoportal you will require Adobe Acrobat Reader 8 or above. Please update your software by clicking the link below.

ADOBE READER 8
click here to download

METADATA
GeoConnections
Canada
Click Here to visit the GeoConnections Discovery Portal where you can search for additional information for the Cree territory.

The Cree geoportal is an online gateway to mapping resources for Eeyou Istchee. Some components of the Cree geoportal require registration. You can request a username and password from the homepage of each of the sections below.

Featured Applications

Climate Change
Find out more about the Climate Change impacts and adaptation measures to the hunters, trappers and communities of Eeyou Istchee.

Cree Placenames and Stories
This map features an interactive set of search tools you can use to find stories and placenames by themes such as stories about water, land or people. Stories are text and audio based.

Cree geoportal public maps

General Information Map
This map provides access to a variety of geospatial layers available for Eeyou Istchee including thematic information, topographic maps and satellite images. It also provides access to important documents relevant to the geospatial layers shown on the map.

COTA Quick Find Map
This map provides quick access to tourism related facilities and services. Community maps are based on most recent aerial photographs and contain useful information relative to community tourism infrastructure.

Reporting Map
This map features an application which allows users to report different activities throughout the Cree territory to the operators of the GeoPortal by simply clicking on a specific location on the map and filling in a form. Please, report any suspicious activities that may be of interest to authorities in the territory.

Cree geoportal mapping applications and resources

Cree Outfitting and Tourism Association
Access the Outfitting Map and database, Tourism Map and Community Maps. It also facilitates access to new outfitting applications, license renewal and the to new non-Cree applications subject to the right of first refusal.
[Visit this section](#)

Niskamoon Corporation
The Niskamoon Information Management System (NIMS) consolidates information about Niskamoon-funded projects in a geo-referenced format. NIMS is a publicly available database and includes minutes of board meetings, resolutions and policies.
[Visit this section](#)

Cree Trappers' Association
This section provides access to the CTA Cabins Map Application and the Trapline Atlas. You must be a registered user with the Cree Trappers Association to access these maps. You can also use this section to access the cabins insurance form and the trapline transfer form.
[Visit this section](#)

Mistissini ATO Park
This section provides access to information related to the ATO Park infrastructure as well as a variety of geospatial layers including thematic information, topographic maps and satellite images.
[Visit this section](#)

To access the **Climate Change Map**, click one **Climate Change** banner in the **Featured Applications** section of the Geoportal home page.

Featured Applications

Climate Change
Find out more about the Climate Change impacts and adaptation measures to the hunters, trappers and communities of Eeyou Istchee.

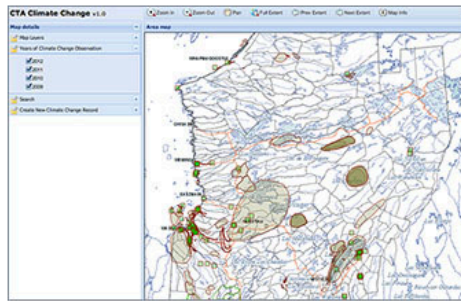
Climate Change Monitoring Page

Launch the Climate Change application by clicking on the **Climate Change Map** link.

Climate Change Monitoring

If you have observations that you wish to note and share you can submit them here. These observations will be regularly posted on the map.

Climate Change Map



Background

The Cree Trappers Association (CTA), the James Bay Advisory Committee on the Environment (JBACE) and the Cree Regional Authority (CRA) received funding beginning in 2009 from Indian and Northern Affairs Canada to carry out a project for the "Identification of Climate Change Impacts and Adaptation Measures for the Hunters, Trappers and Communities of Eeyou Istchee".

The main purposes of this project are to:

- improve the understanding of the environmental implications of climate change in James Bay (Eeyou Istchee), drawing both on local (Cree) and Western science perspectives;
- improve the understanding of the human implications of climate change for Eeyou Istchee, with a specific focus on the impacts on hunters, trappers and other community members;
- identify the vulnerabilities of Eeyou Istchee to climate change, as well as the possible avenues for mitigation of, and adaptation to its impacts;
- enhance awareness among Cree of the implications of climate change in their territory; and
- encourage Cree participation in mitigation and adaptation measures.

The purpose of this internet based application is for the reporting and sharing of regional and community specific climate change observations. The types of observations that we would like to obtain are divided into five main themes:

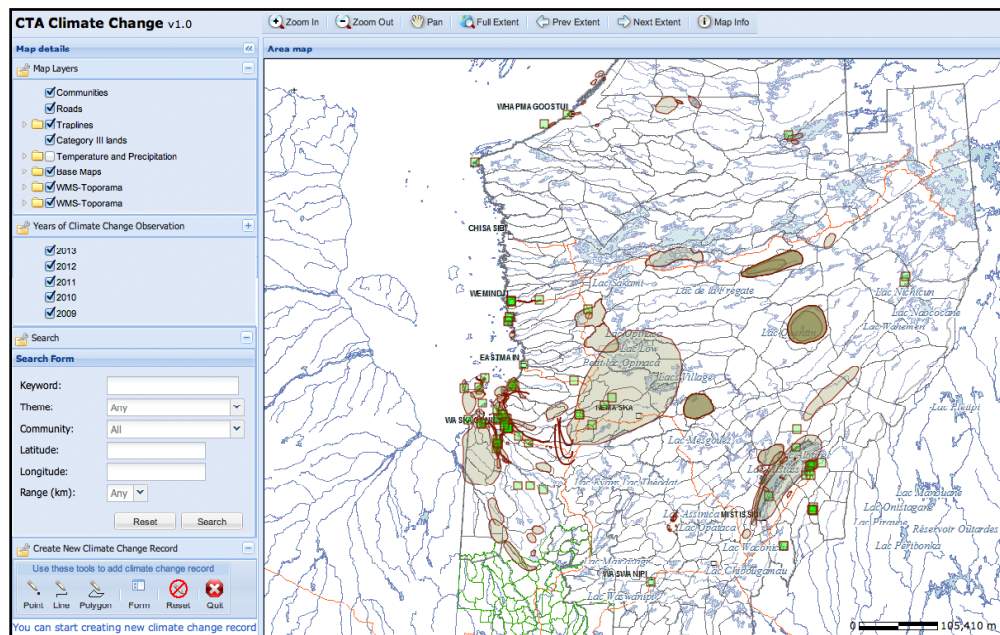
1) Land; 2) Water; 3) Weather; 4) Wildlife; and, 5) Community Infrastructure.

Resources

- [What the Cree Have to Say About Climate Change \(Cree\)](#)
- [What the Cree Have to Say About Climate Change \(English\)](#)
- [Climate Change Project in Mistissini](#)
- [Climate Change Project in Waskaganish](#)
- [Climate Change Project in Whapmagoostui](#)
- [Climate Change in Eeyou Istchee Final Report](#)



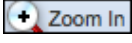
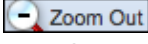
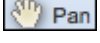
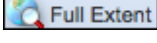
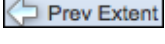
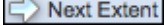
Climate Change Map User Interface and Database



The map interface features the following:

- Map Layers
- Years of Climate Change Observation
- Search Form
- Create a New Climate Change Record

The top bar of the map features a set of **map navigation tools**:

-  **Zoom In** Enlarges the map, focuses on a specific area. Click on the icon to activate the tool, drag the pointer over the area you wish to enlarge.
-  **Zoom Out** Click the icon then drag your pointer over the map area you wish to reduce.
-  **Pan** By default, the Pan tool is active. The pan tool becomes active again once you have completed your operation. To pan move your pointer over the map, click and drag the map in any direction.
-  **Full Extent** Click this icon to return the map to its initial view.
-  **Prev Extent** Click this icon to return to the **previous** map view.
-  **Next Extent** Click this icon to cycle to the other map views you established.

The Climate Change Database

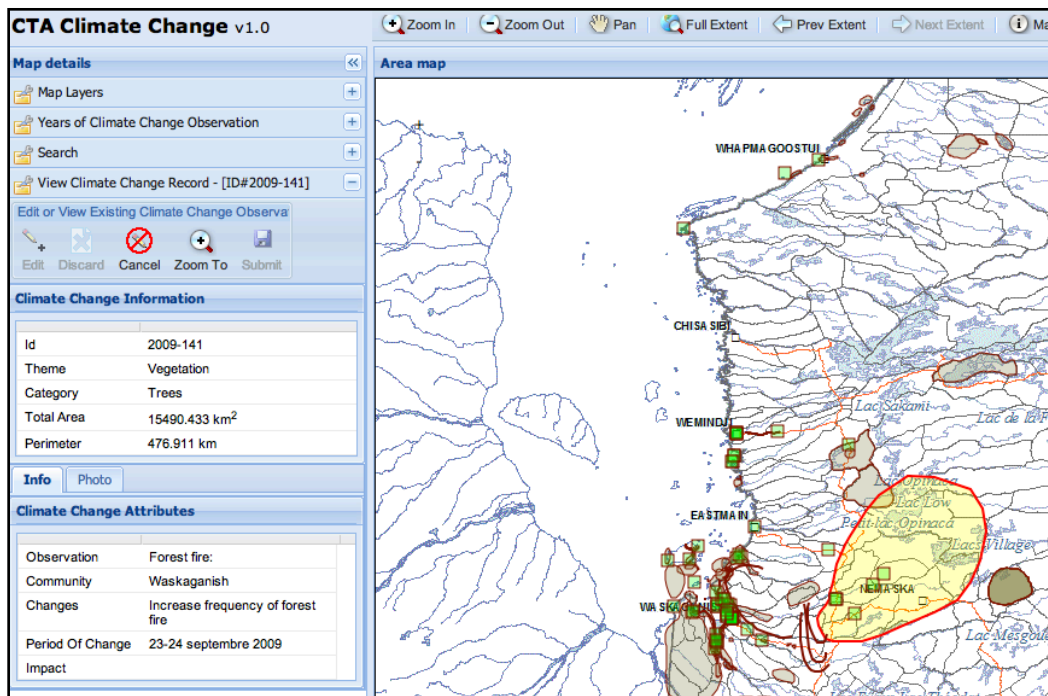
Some information stored in the **climate change database** is displayed as **geometric shapes on the map**. These shapes can be polygons, line or squares.

Squares can designate observations that are not necessarily about fixed or permanent locations.

Non-spatial information is also stored in the database and is accessed using the **Search Form** (see below).

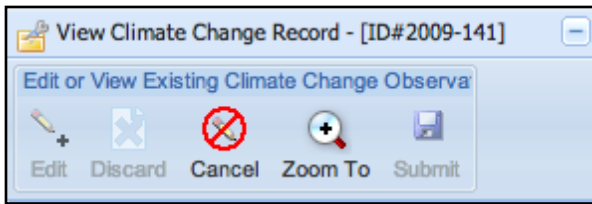
Viewing a Spatial Record

To view a climate change record click on a geometry (polygon, line or square).

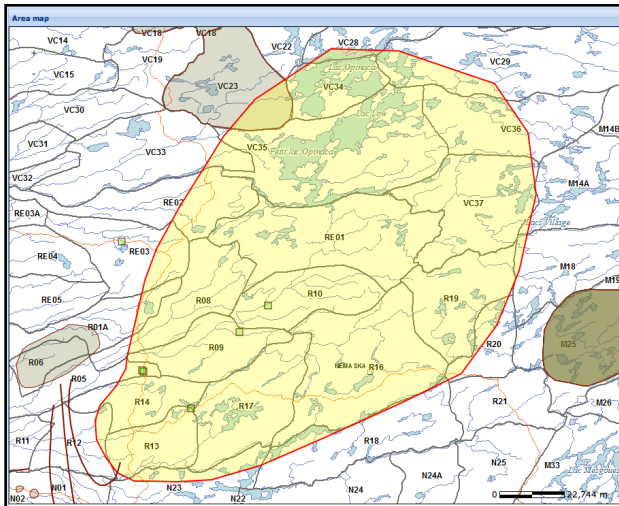


The record attached to the polygon you select is displayed in the left hand panel under **the View Climate Change Record** tab. The record displays:

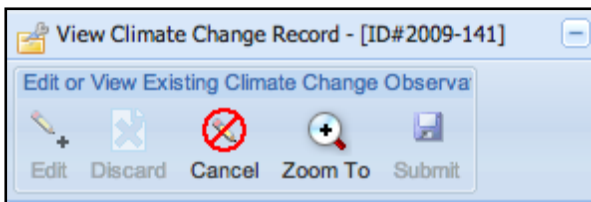
- Basic record information
 - record Id
 - Theme
 - Category
 - Total Area (of the geometry)
 - Perimeter (of the geometry)
- Observation Information
 - Type of Observation
 - Community
 - Changes
 - Period of Change
 - Impact
- Photos



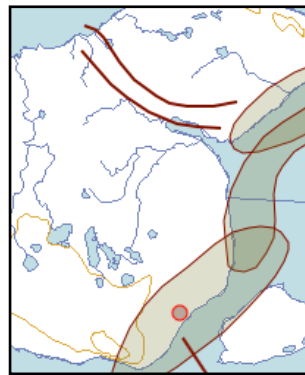
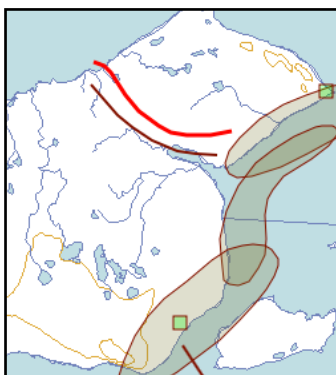
Enlarge the selected area by clicking the **Zoom To** button.



The map will enlarge the selected area for detailed inspection.



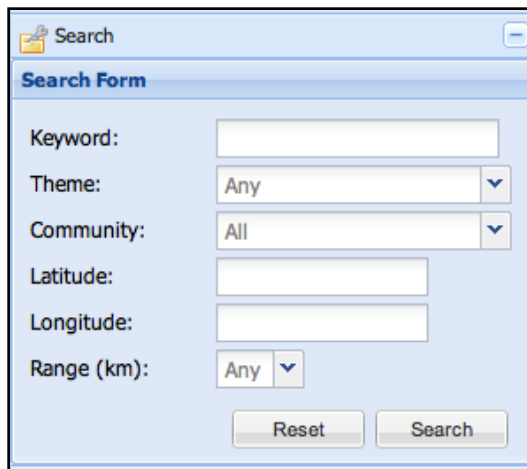
Click **Cancel** to close the record and reset the interface.



The images on the left illustrate how trail geometries and other records will appear on the map when selected.

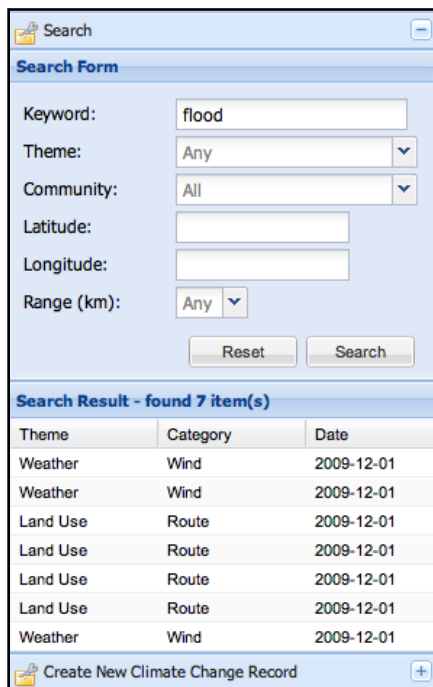
Searching for a Record

Click on the **Search** tab to open the **Search Form**.



The Search Form is a light blue window with a title bar that says 'Search'. Inside, the title 'Search Form' is in bold. It contains several input fields and dropdown menus: 'Keyword:' with a text box, 'Theme:' with a dropdown menu showing 'Any', 'Community:' with a dropdown menu showing 'All', 'Latitude:' with a text box, 'Longitude:' with a text box, and 'Range (km):' with a dropdown menu showing 'Any'. At the bottom are two buttons: 'Reset' and 'Search'.

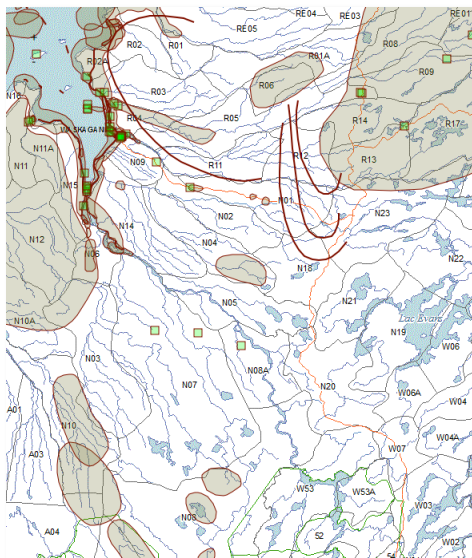
1. Enter a keyword
2. Choose a theme
3. Choose a community
4. Enter geographic coordinates
5. Enter the range covered by the coordinates.
6. Click Reset to clear the search fields.
7. Click Search when you are done entering information into the fields.



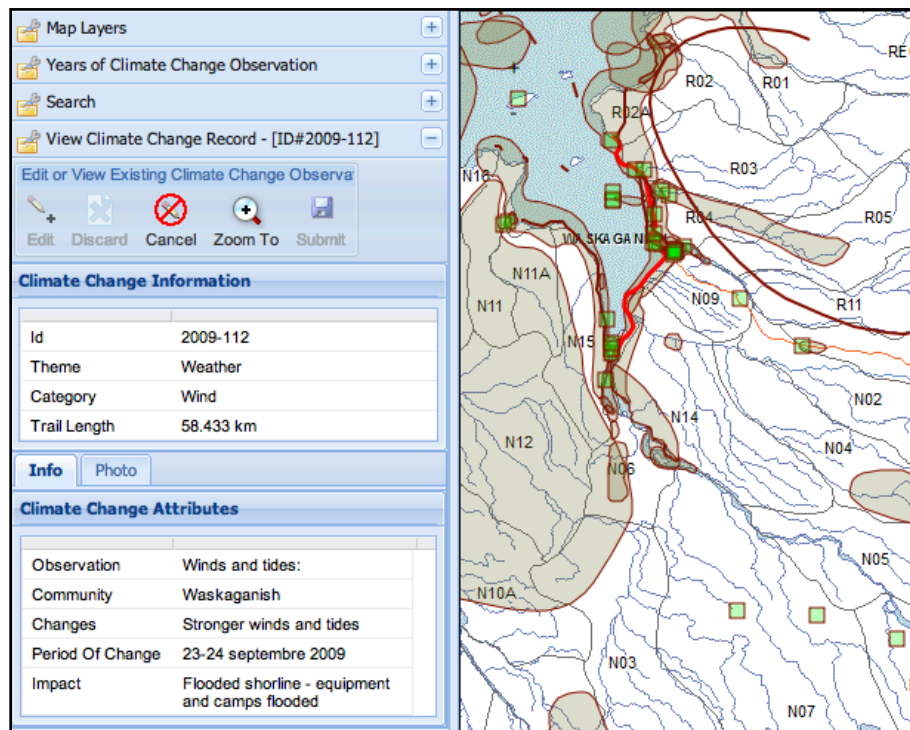
This screenshot shows the Search Form with the 'Keyword' field filled with 'flood'. Below the form, a section titled 'Search Result - found 7 item(s)' displays a table of results. At the bottom of the window is a button labeled 'Create New Climate Change Record'.

Theme	Category	Date
Weather	Wind	2009-12-01
Weather	Wind	2009-12-01
Land Use	Route	2009-12-01
Land Use	Route	2009-12-01
Land Use	Route	2009-12-01
Weather	Wind	2009-12-01

The map will display the extent of the search results.

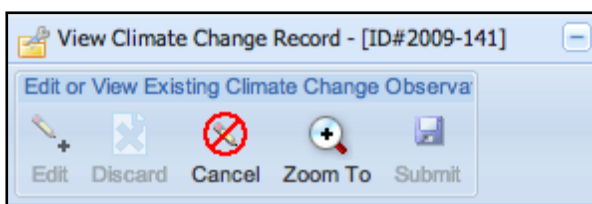


Click on a record from the **Search Results**.



The climate change record will be displayed and the geometry on the map will be highlighted:

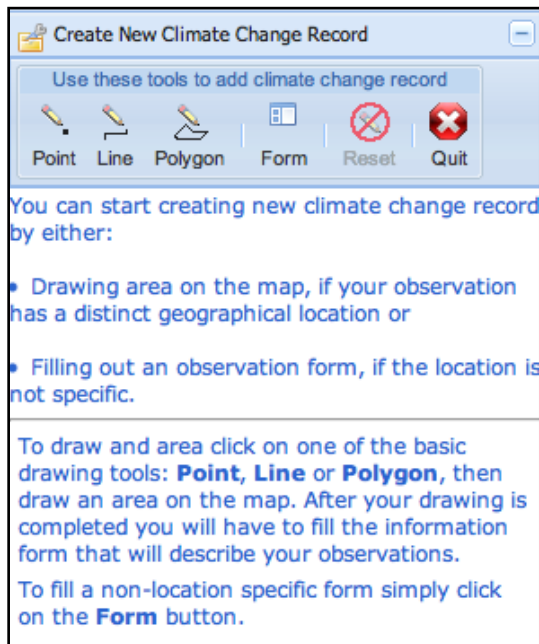
- red for a trail line
- yellow for a polygon
- a circle for other information



Click **Cancel** to close the record and **reset the interface**.

Create a New Climate Change Record

Click on the **Create New Climate Change Record** tab.



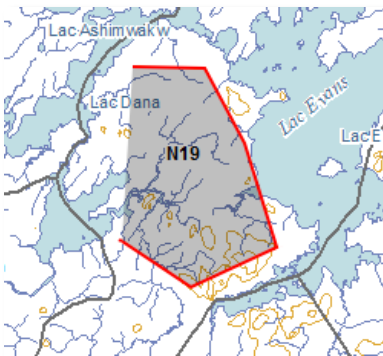
To create a new climate change record:

1. Choose a tool from the interface and draw a line, point or polygon on the map at the location of your observation;

or

2. Fill in the Form

Drawing on the Map



Polygon - click once and move the mouse pointer to the next point location, and click again. Double click to complete the polygon.

Point - click once on the location on the map.

Line - click once and mover the mouse pointer to the next point location, and click again. Double click to complete the line.

Completing a Climate Change Record

When the drawing is complete, the map will zoom to the extent of the geometry.

Information about the geometry is displayed in the **New Climate Change Zone**, which includes:

- Geometry type
- Total Area
- Perimeter

Geometry Attributes

Fill in the following detailed information about the record:

- Theme (mandatory)
 - Infrastructure
 - Land
 - Water
 - Weather
 - Wildlife
- Category
 - Electric Grid
 - Sewage System
- Source Name (the name of the person reporting the observation)
- Source E-mail
- Date Entered (filled in automatically)
- Observation (mandatory) – what change did you observe
- Changes
- Period of Change – how long has this change taken, or how long it has been noticed.
- Impact – what effects the change is having



Click **Save** to record the information entered in the form fields.

Climate Change Information

Id	2013-003
Theme	Infrastructure
Category	Electric Grid
Total Area	31.329 km ²
Perimeter	21.935 km

Climate Change Attributes

Observation	SAMPLE
Community	Mistissini
Changes	
Period Of Change	
Impact	

Help Message: What to do next?

Please review your input, attach photos if necessary, and submit the climate change record for administrative review.

The information entered into the form fields is displayed in the record panel.

Upload a Photograph

Click on the **Photo** tab, select an image from your computer and click **Save**.

Photo

No attached images

Upload your photo here

Descr:

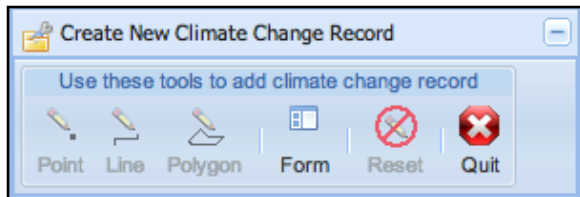
Photo:

Click **Discard** to delete the record.

Click **Submit** to add the record to the database.

This new record will be examined by the proper authorities before it is displayed for public viewing.

Filling in the Form



Click on the **Form** button.

View/Edit Climate Change Record - [new location]

Edit or View Existing Climate Change Observ

Edit Discard Cancel Zoom To Save

New Climate Change Zone

Geometry Type	N/A
Theme	
Category	

Geometry Attributes

Theme:

Category:

Community:

Source Name:

Source Email:

Date Entered: 2013-06-03

Observation:

Changes:

Period of Change:

Impact:

Fill in the following detailed information about the record:

- Theme (mandatory)
 - Infrastructure
 - Land
 - Water
 - Weather
 - Wildlife
- Category
 - Electric Grid
 - Sewage System
- Source Name (the name of the person reporting the observation)
- Source E-mail
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